

**REPORT OF ACTIVITIES
OF THE
DEPARTMENT OF WATER RESOURCES**

By

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*Presented before the Central Valley Flood Protection Board on September 23, 2010

FUNCTIONAL AREA 1 FLOOD EMERGENCY RESPONSE

The Flood Emergency Response functional area includes work to better prepare for, respond to, and recover from flood emergencies. A program for flood emergency response is a necessary part of flood management because California will always face flood emergencies, even when system improvements reduce the frequency of flooding. Program activities include inspection and assessment of flood projects' integrity; reservoir operations and river forecasting; flood data collection, management, and dissemination; precipitation and runoff forecasting; Delta flood preparedness, response, and recovery; and statewide flood emergency response functions.

REAL-TIME FLOOD CONDITIONS, STATUS, & WARNING

The purpose of the Real Time Flood Conditions, Status, and Warning element is to provide information needed to manage floods as they are occurring. This element supports flood operations by 1) inspecting, documenting, and assessing the integrity of the Sacramento and San Joaquin Flood Control Project levees, 2) storing and managing information so that it is accessible to flood managers and the general public, 3) providing emergency flood information and warnings based upon existing and forecasted conditions and field reports, and 4) developing information management tools to support emergency operations.

Inspections: Channel and structure inspections are being completed and reports will be sent to LMA's as they are finalized. The supplemental boat-based river erosion survey along the San Joaquin River and tributaries has been completed and land-based inspections are currently underway. The July 27th directive from the USACE requesting the use of a flowchart in conducting levee inspections has been evaluated and the flowchart will not be implemented for the Fall 2010 levee inspection. Progress Report No. 2 has been provided to the Board for submittal to the USACE and inspection of Board approved encroachment permits is continuing.

CLIMATE DATA COLLECTION & PRECIPITATION/RUNOFF FORECASTING

This Element supports Flood Emergency Response by providing information on current and forecasted water conditions, and by providing meteorological and climate information. Additionally, this Element includes evaluating and improving the data collection and exchange network and forecasting models, providing water supply and watershed runoff information and forecasting, and the development of a new generation of forecasting and data collection tools to improve the quality, timeliness, and length of watershed and river forecasts. Real-time data, its timely availability, and quantities and quality are all critical to improving forecasting quality and timeliness.

Water Conditions: As of August 31, 2010, statewide hydrologic conditions were as follows: precipitation, 110 percent of average to date; runoff, 90 percent of average to date; and reservoir storage, 105 percent of average for the date. Sacramento River unimpaired runoff observed through August 31, 2010 was about 15.6 million acre-feet (MAF), which is about 85 percent of average. For comparison, on August 31, 2009, the observed Sacramento River unimpaired runoff through that date was about 12.7 MAF, or about 70 percent of average.

Except for several hot days at the end of the month, August was a continuation of this year's cool spring and summer. On September 1, the Northern Sierra 8-Station Precipitation Index Water Year total was 53.3 inches, which is about 109 percent of the seasonal average to date and about 107 percent of an average water year (50 inches). During August, the precipitation total for the 8-Stations was 0.1 inches, or about 33 percent of average. Last year on September 1, the seasonal total for the 8-Stations to date was 46.5 inches, or about 95 percent of the seasonal average to date.

On September 1, the San Joaquin 5-Station Precipitation Index Water Year total was 44.7 inches, which is about 112 percent of the seasonal average to date and about 109 percent of an average water year (40.8 inches). There was almost no precipitation during August. Last year on September 1, the seasonal total for the 5-Stations to date was 38.9 inches, or about 97 percent of the seasonal average to date.

Selected Cities Precipitation Accumulation as of 8/31/2010 (National Weather Service Water Year: July through June)					
City	Jul 1 to Date 2010 - 2010 (in inches)	% Avg	Jul 1 to Date 2009 - 2009 (in inches)	% Avg	% Avg "Water Year" Jul 1 to Jun 30 2010 - 2011
Eureka	0.19	35	0.08	15	0
Redding	0.13	48	0.00	0	0
Sacramento	0.00	0	0.00	0	0
San Francisco	0.00	0	0.00	0	0
Fresno	0.00	0	0.00	0	0
Bakersfield	0.00	0	0.00	0	0
Los Angeles	0.00	0	0.00	0	0
San Diego	0.02	0	0.00	0	0

Key Reservoir Storage (1,000 AF) as of 8/31/2010								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,642	1,839	89	2,448	67	---	806
Shasta Lake	Sacramento	3,492	2,966	118	4,552	77	-1,060	1,060
Lake Oroville	Feather	2,040	2,377	86	3,538	58	-1,498	1,498
New Bullards Bar Res	Yuba	664	653	102	966	69	-302	302
Folsom Lake	American	656	621	106	977	67	-321	321
New Melones Res	Stanislaus	1,307	1,374	95	2,420	54	-1,113	1,113
Don Pedro Res	Tuolumne	1,755	1,427	123	2,030	86	-275	275
Lake McClure	Merced	782	584	134	1,025	76	-242	243
Millerton Lake	San Joaquin	314	230	137	520	60	-206	206
Pine Flat Res	Kings	459	387	118	1,000	46	-541	541
Isabella	Kern	212	212	100	568	37	-222	356
San Luis Res	(Offstream)	775	890	87	2,039	38	---	1,264

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month weather precipitation outlook for September 2010, issued August 31, 2010, suggests below average rainfall for almost all of California, and no tendency for above or below average rainfall for the extreme northern portion of the State.

Information on current conditions can be accessed through the California Data Exchange Center (CDEC) at the following locations:

Reservoirs: <http://cdec.water.ca.gov/reservoir.html>

Individual Reservoirs: http://cdec.water.ca.gov/reservoir_map.html

Precipitation: http://cdec.water.ca.gov/snow_rain.html

Snow: <http://cdec.water.ca.gov/snow/current/snow/>

Snowmelt & Seasonal Volume Runoff Forecasting: The Snow Surveys section conducted an in-house training session on creating Hydrologic Response Units (HRUs) within the new Precipitation Runoff Modeling System (PRMS) 2010 version. While the Yuba watershed PRMS model is currently in development mode with our partners in the U.S. Geological Survey (USGS) and the Merced model is slated to begin development in a few months, the PRMS team will use the outdated Feather PRMS model as a platform to create training opportunities for staff to learn the functionality and logic of the PRMS model. The Feather PRMS needs to be upgraded to the PRMS-2010 platform which offers much more refined modeling capabilities including enhanced spatial data abilities, better climate analysis capabilities, and an improved capacity to interact with the existing CDEC database.

Snow Surveys and Snow Course Maintenance: The Snow Surveys section continues in summer snow course maintenance mode. We are working closely with the U.S. Forest Service (USFS) on the renewal of permits for several snow courses in the Sierra Nevada. A reduced budget for snow course maintenance and staff shortages has led to snow course maintenance neglect; most notably growth of large trees in areas typically used for helicopter landing zones. These trees are now considered large enough to require extra permitting from the USFS prior to their removal. The furloughs and unsigned state budget have greatly slowed down progress on snow course maintenance this year because of travel limitation and overtime restrictions.

Hydrologic Data Management: The Snow Surveys section continues to collect, provide quality control review, and enter Full Natural Flow (FNF), precipitation, snow, and reservoir storage data for thousands of locations statewide on a daily basis. This data is being used to issue daily, monthly, and seasonal water condition reports on CDEC.

Bulletin 120 and Water Supply Index Forecasts: The Snow Surveys Section is finalizing the preliminary April-July observed FNF data. We'll soon use this data to conduct hind casts on the April-July forecasts from the past year to evaluate performance. Typically our April and May forecasts fall within 10% of the observed data. Factors that would affect the accuracy of the forecasts during this past year would have been the abnormally cool and wet late winter and early spring.

Hydro-Climate Analyses: Contracts are now in place for future Atmospheric Rivers and Watershed Drivers Studies with U.C. San Diego/Scripps and U.C. Davis respectively. Meetings have been scheduled with principal Investigators to guide the work being performed. Additionally, the Central Valley Flood Protection Plan (CVFPP) Climate Change Work Group Methodology Report is in draft form and will be distributed for work group review.

Real-Time Data Collection Network: Soil moisture sensor installations are moving forward with the goal of having four DWR/Scripps sites of Hydro Meteorological Test bed (HMT) sensors installed by October 2010.

RESERVOIR OPERATIONS & RIVER FORECASTING

This element supports Flood Emergency Response through a coordinated effort with various agencies' operating reservoirs in the system to enhance reservoir operations. The goal of coordinated operation of the reservoirs will be to reduce peak flood flows downstream of the reservoirs. Additionally, this Element supports Flood Emergency Response through river forecasting activities conducted in coordination with the National Weather Service River Forecast Center located at the Joint Operations Center in Sacramento. By conducting real-time and long-range hydrologic and watershed analyses, this Element provides accurate and timely runoff and river peak flow forecasts.

Reservoir Forecast Coordinated Operations (F-CO): On September 15th, 2010, Yuba/Feather F-CO program partners participated in a tabletop exercise at the Flood Operations Center. Participants were presented with various hydrologic scenarios that helped confirmed overall communication and coordination protocols between the partner agencies. On October 6th, 2010, a full functional exercise is scheduled to test communications, coordination protocols, and the functionality of the decision support tools.

FLOOD OPERATIONS EMERGENCY RESPONSE

This element includes all preparation and planning to execute flood fights, deploy teams, provide training, and coordinate local response needs and federal assistance in the event of a flood. This includes maintaining the readiness of the Flood Operations Center and all the staff that may have to staff it in the event of an emergency and assuring local response efforts can be integrated into the State response system.

No new information

EMERGENCY RESPONSE - RELATED ELEMENTS

This element includes various efforts that will further the Departments understanding of the flood system interactions with water supply systems and conjunctive use programs. It also includes the update of the Central Valley hydrology for use in risk assessment and project development. Another component includes developing a comprehensive plan to response to flood events in the Delta.

Central Valley Hydrology Study (CVHS): The CVHS Technical Procedures document has been posted to the Study information sharing forum (cvhydrology.org). The purposes of this *Technical procedures* document are to:

- Define important terms as they are used in the CVHS documentation.
- Explain certain procedural issues, including event separation (from mixed populations of rainfall and snowmelt events), event selection, the use of regional skew values, and selection of record lengths for frequency analysis in the CVHS.
- Recap the CVHS procedures and highlight the interdependence among the main tasks of the CVHS.
- Summarize the four technical attachments and describe certain assumptions being made in the CVHS and their potential impacts.
- Summarize possible future work and applications that could be completed with CVHS products.

FUNCTIONAL AREA 2 OPERATIONS AND MAINTENANCE

Operations and Maintenance is a functional area under FloodSAFE established to ensure project facilities are operated and maintained in good working condition to function as designed. Although Operation and Maintenance has been a long-standing base program within DWR, FloodSAFE has expanded the program and provided additional funding. Historically, Operation and Maintenance projects were undertaken based on a backlog of deferred maintenance. Now, in addition to continuing to work on deferred maintenance, new projects are identified through a number of inspection programs. Operation and maintenance must continue indefinitely into the future, even after the FloodSAFE functional objectives have been achieved although the needs are expected to change over time as system upgrades and modifications are implemented.

CHANNEL MAINTENANCE

DWR is responsible for maintaining channel flow capacity for Sacramento River Flood Control Project channels and for performing channel-specific maintenance activities identified in the USACE Operations and Maintenance Manuals, including channel clearance if required to maintain design flow capacity. Channel Maintenance consists of inspection and evaluation, routine operations and maintenance, and implementation of corridor management projects.

- Channel clearing and vegetation control is continuing using hand crews and mowers (20% complete: Sutter Maintenance Yard; 50% complete: Sacramento Maintenance Yard).
- Clean-up of debris, beaver dams, and downed vegetation throughout the system is on-going.
- The Sycamore Creek sediment removal project was advertised for bid in early June. The bids were opened and DeWitt Brothers of Yuba City identified as the low bidder. The project has not yet been officially awarded to the contractor. The project will remove approximately 50,000 cubic yards of sediment from within the channel.
- Seepage and collecting canal maintenance (adjacent to Wadsworth Canal and Sutter Bypass) is 100% complete for 15 miles of canal in Sutter County.

FLOOD FACILITIES OPERATION AND MAINTENANCE

DWR operates, maintains, and repairs or replaces flood control structures located throughout the Sacramento River Flood Protection Project to ensure readiness in the event of emergencies and that facilities function as designed. Actions include inspection and evaluation, routine operation and maintenance, and non-routine maintenance. Facilities include pumping plants that transfer runoff and excess water from the land-side of levees in the flood system to flood channels; bridges providing access over and to flood facilities; flow gages; and water control structures such as weirs.

- The contractor for the Sutter Bypass East Borrow Canal Willow Slough Weir Fish Ladder and Culverts Replacement Project has completed excavation and removal of existing water control structures. Work is continuing on formwork of the new

facility. Due to late start on the construction and other issues, the project schedule is expected to be extended to late October.

- Advertisements for the construction contracts for replacement of Sutter Bypass East Borrow Canal Weir 2 and modernization of Sutter Bypass Pumping Plants 1, 2, and 3 have been delayed. Both projects are expected to be advertised in early fall of 2010.
- Maintenance and debris removal activities are continuing at the Knights Landing Outfall Gates and the Butte Slough Outfall Gates.

LEVEE MAINTENANCE

This element maintains levees and roads under DWR jurisdiction (State-maintained Maintenance Areas and bypasses) in accordance with USACE Operations and Maintenance Manuals. Annually, after high water recedes, levees are evaluated and repairs are made as necessary. Routine and extraordinary maintenance are also performed as necessary to meet maintenance assurances provided to the federal government.

- Completed mowing and/or burning for 95% of the 293 miles of DWR maintained levees.
- Construction on the Levee Roads Rehabilitation Project is 40% complete.
- Dragging of DWR maintained levee slopes is approximately 75% complete.
- Ongoing activities include grading and compacting crown roadways, tree maintenance, fireguarding, replacing/repairing gates, and rodent control.

ENVIRONMENTAL INITIATIVES

DWR is responsible for planning projects in a way that avoids or minimizes environmental impacts, and for obtaining state and federal environmental permits and clearances for projects within the Operations and Maintenance Functional Area. Environmental Initiatives touches all aspects of this functional area and therefore is considered a close partner to the other maintenance elements and their activities. As such, it should be considered a part of each of the other major elements rather than a stand-alone element. Also, with DWR's established open collaborative process, various local, state, and federal agencies examine issues and develop integrated solutions to the complex environmental compliance requirements and resource opportunities as flood control maintenance activities are undertaken. Components include developing and managing environmental programs, and managing mitigation requirements for lands and habitats developed or acquired by the Department to mitigate for flood management maintenance and improvement projects.

- The 137-acre Colusa-Sacramento River Recreation Area mitigation effort is in the second year of monitoring for plant survival. The plant survival monitoring report was completed in September.

LEEVE REPAIRS

The Levee Repairs Program repairs critically damaged levees and proactively repairs other damaged levees that cannot wait for system improvement projects and require rapid repair before the next flood season. Levee repair projects are implemented through collaboration with federal and state resource agencies, USACE, and local agencies. Levee repairs are done under three federal authorized programs; Sacramento River Bank Protection Project (SRBPP), Levee Stability Program (LSP), and PL84-99 Rehabilitation Assistance Program (PL84-99). In addition, the State repairs flood project levees under the Sacramento-San Joaquin Erosion Repairs Project (SSJERP).

- Construction contract for repairs to the City of West Sacramento setback levee at the Sacramento River Mile 57.2 site was awarded on August 25, 2010. Notice-to-Proceed for construction was issued September 8th.
- H.T. Harvey & Associates initiated Year 2010 vegetation monitoring at critical erosion sites repaired in 2006 and 2007. This is the final year of vegetation monitoring mandated by the regulatory agencies.
- Engineering and Landscape designs for the critical seepage site slurry wall construction on the San Joaquin River at River Mile 42.3 in Reclamation District 404 are 90% complete.

FUNCTIONAL AREA 3 FLOODPLAIN RISK MANAGEMENT

The primary purpose of Floodplain Risk Management is to reduce loss of life and property caused by floods and to restore the natural resources and beneficial functions of floodplains by providing comprehensive guidance and technical support and assessing the floodplain management needs and issues of California communities in order to promote a comprehensive and system-wide flood management strategy.

FLOODPLAIN MANAGEMENT TECHNICAL SUPPORT

Floodplain Management Technical Support provides statewide technical support to federal, state and local agencies, and the public for flood hazard maps, levee data and National Flood Insurance Program (NFIP) activities, including the Community Rating System (CRS).

The National Flood Insurance Program (NFIP) Community Assistance Program received grants funds in the amount of \$430,068 as part of an annual 75/25 cost-shared agreement with the Federal Emergency Management Agency (FEMA). The grant requires DWR to conduct audits with communities participating in the NFIP and provide training to community officials. In August, DWR conducted four Community Assistance Visits (CAVs) with the Cities of Needles, Seal Beach, Chico, and Oroville and completed one Community Assistance Visit Report for the County of Los Angeles, which has been mailed to the community officials and FEMA. DWR also conducted two FEMA Elevation Certificate Workshops in Willows and Salinas for local community officials and surveyors. For the NFIP Community Rating System, staff continues to implement Phase 2 of the Community Rating System Program and develop a draft CRS Quick Check screening tool for communities interested in joining the program. Staff is also developing a CRS program brochure aimed at elected officials. Templates are being prepared to help participating communities increase their public information credit points.

FLOODPLAIN EVALUATION AND DELINEATION

Floodplain Evaluation and Delineation works to estimate the frequency, depth, and limits of potential flooding throughout the state providing building blocks in terms of floodplain assessments, standards, methodologies, tools, and analyses supporting multiple applications including FloodSAFE programs and projects and FEMA's National Flood Insurance Program.

The four regional contractors are fully engaged in developing system hydraulic models and plan to complete model development by July 2011. Through Cooperating Technical Partners agreement with FEMA, we finalized three Mapping Activity Statement documents, which define \$1.8 million scope of mapping tasks to be funded by FEMA Risk MAP program.

FLOOD RISK NOTIFICATION

The Flood Risk Notification Element focuses on communicating flood risk to the public, and local, state and federal agencies to increase flood hazard awareness for areas protected by the State Plan of Flood Control.

No new information.

FLOOD RISK PLANNING

Flood Risk Planning is focused on incorporating flood risk management into statewide and local land use decision making to identify potential flood hazards and mitigation strategies to reduce flood risks through creating planning approaches and data sets that help agencies, communities, and individuals make better informed decisions.

No new information.

FUNCTIONAL AREA 4 FLOOD PROJECTS & GRANTS

Flood Protection Projects and Grants is responsible for the State's input to project selection and funding. The program is responsible for the majority of physical improvements to the flood management system and provides grant money in the Delta and Statewide. Flood Protection Projects and Projects Grants has been a long-standing DWR base program and is expected to continue indefinitely into the future due to the ongoing need for system improvements and the long-lead time to implement federal flood control projects. The work is based on the acknowledgement that the State will continue to be a significant partner in viable flood management projects in the Central Valley, Delta, and Statewide.

CENTRAL VALLEY FLOOD PROJECTS

This element is responsible for the review of flood projects and cost-sharing on federal feasibility studies. It contains three components: Feasibility Studies, Early Implementation Program (EIP) Projects, and Flood Control Projects.

USACE/CVFPB FEASIBILITY STUDIES

The State participates and provides cost-share for feasibility studies with USACE and local partners. Several studies are underway and new ones are expected in the near future.

American River Common Features GRR

The American River Watershed Common Features Project will provide flood improvements for lower American River downstream of the Folsom Dam, Sacramento River downstream of Natomas Cross Canal, and the Natomas Cross Canal to a 200-year level of flood protection. The Post Authorization Change Report evaluates alternative plans for the levee system around the Natomas Basin and acts as an interim general reevaluation study to the GRR.

- A Civil Work Review Board is scheduled for September 27, 2010 at USACE Headquarters, Washington, DC.

Frazier Creek/Strathmore Creek Feasibility Study

The Frazier Creek/Strathmore Creek Feasibility Study will generate an Environmental Impact Study/Environmental Impact Report (EIS/EIR) and Feasibility Study to evaluate federal, State, and local interests in planning, designing, mitigating, and improving existing levee system of Frazier Creek/Strathmore Creek in Tulare County.

- Received Letter of Interest from Tulare County.
- Processing State's corresponding Letter of Intent.

Lower San Joaquin River Feasibility Study

Representatives from San Joaquin County, San Joaquin Area Flood Control Agency (SJAFCA), the Board, USACE, and other local interests have worked together to prepare a Project Management Plan (PMP), a draft amendment to the Feasibility Cost-Sharing Agreement (FCSA), and a draft Local Feasibility Cost-Sharing Agreement (LFCSA). The cost estimate for the study is \$10.6 million with a project completion date of 2016.

- The FCSA amendment and LFCSA have been signed and are currently being processed by the DWR Contracts Office and Department of General Services.
- Scoping has been completed for a preliminary analysis of the metropolitan Stockton area including hydrology and hydraulics (H&H), geotechnical, economic, and planning. USACE is working on an updated schedule to include the preliminary analysis.
- Federal funding for FY2011 in the amount of \$2 million was requested; however, the House only approved \$600,000 and the Senate \$500,000.
- Working with the local sponsor and USACE on how to move the project forward with a reduced budget.

Merced County Steams Project-Bear Creek GRR

This project's purpose is to evaluate options to increase the level of flood protection from a 50-year event to 200-year event for the Merced Urban Area.

- A Project Delivery Team (PDT) kick-off meeting was held on June 3, 2010. USACE is working on completion of the PMP and hopes to have a draft agreement for review by the study sponsors by late September.

Rock Creek/Keefer Slough Feasibility Study

The Rock Creek/Keefer Slough Feasibility Study will generate an EIS/EIR and Feasibility Study to evaluate federal, State, and local interests in planning, designing, mitigating, and improving existing levee system of White River and Deer Creek in Butte County.

- Received Letter of Interest from Butte County.
- Processing State's corresponding Letter of Intent.

Sutter Basin Feasibility Study

This multipurpose Feasibility Study aims to address levee improvement measures for existing levee systems as well as environmental restoration and recreation opportunities.

- Amendment No. 1 to the FCSA and the LFCSA is being processed by the Contracts Office.
- FY 2010/11 appropriations will not be reviewed or approved until passage of the budget bill.
- USACE requested a \$700,000 payment in August followed by an additional \$85,000 payment on September 1, 2010 with another \$85,000 payment to be due the 2nd quarter of 2011. Payments are currently on hold until budget is passed.
- Project Development Team is requesting to be on the USACE Project Review Board Agenda in October to discuss budget/over budget issues with the new Colonel.

West Sacramento GRR

The General Reevaluation Report (GRR) is being conducted to study future work necessary to provide a minimum of 200-year level of protection for the City of West Sacramento. West Sacramento Area Flood Control Agency and USACE continue to make progress on the project under the existing two-party agreement.

- No change from last month.

West Stanislaus County - Orestimba Creek Feasibility Study

The Orestimba Creek Feasibility Study will evaluate feasible flood protection alternatives for the City of Newman and the surrounding agricultural areas to achieve a 200-year level of flood protection.

- Stanislaus County held a stakeholders meeting on August 25th to introduce USACE's Colonel William Leady to the project and brief the sponsors on the current project status.
- The revised amendment to the LFCSA, which would add additional State funds to complete the study, is currently being processed through DWR's Contracts Office.

White River/Deer Creek Feasibility Study

The White River/Deer Creek Feasibility Study will generate an EIS/EIR and Feasibility Study to evaluate federal, State, and local interests in planning, designing, mitigating, and improving existing levee system of White River and Deer Creek in Tulare County.

- Received Letter of Interest from Tulare County.
- Processing State's corresponding Letter of Intent.

Woodland/Lower Cache Creek Feasibility Study

USACE will develop alternatives for a new Feasibility Study to determine if there is a National Economic Development (NED) plan that is federally justified and fits in the State Plan of Flood Control. The Study will continue efforts suspended in 2004 after local resistance to the USACE-selected Flood Barrier Option alternative. USACE estimates that the new Feasibility Study will be complete in 2017 with design of a selected alternative to commence in 2017.

- Signed Financial Self Certification emailed to USACE on August 24, 2010.
- USACE issued FCSA for review and DWR Legal is discussing comments with USACE Legal.
- USACE requested a Letter of Intent from the Board to participate in the FCSA, which was approved at the August Board meeting.
- FCSA and LFCSA are on schedule to be on September Board Meeting Agenda.

Yuba River Basin Project GRR

The Yuba River Basin Project consists of increasing the level of flood protection in the Yuba River Basin communities of Marysville, Linda, Olivehurst, and Arboga.

- A \$381,120 invoice payment to USACE has not been processed due to insufficient funds in the project account.

EARLY IMPLEMENTATION PROGRAM (EIP) PROJECTS

EIP includes projects that are ready to proceed in advance of the CVFPP. An element of approval for these projects ensures that they do not eliminate opportunities or prejudice the flood risk reduction alternatives that would provide regional or systemwide benefits.

Reclamation District 2103 - Bear River Levee Improvement (RD-2103)

Working on project closeout.

Levee District 1 - Setback Levee at Starbend Feather River (LD-1)

Working on project closeout.

Reclamation District 17 - 100-Year Seepage Area Project (RD-17)

DWR and the Board have requested various materials from RD-17 to verify the design basis and these materials have not been provided to date. The Board and DWR have sent certified letters to RD-17 to revoke their Board permit and stop EIP funding until these items are received and reviewed.

Three Rivers Levee Improvement Authority – Feather River (TRLIA-FR)

No new information.

Three Rivers Levee Improvement Authority - Upper Yuba River (TRLIA-YR)

TRLIA received the Upper Yuba Construction Bid results from Simpson Lane to Gold Fields. The lowest bidder was a little over \$7.5 Million. TRLIA will not make the award until USCAE completes their approval of the 408 authorization and 104 credit approval. Per the bid documents, the contractor's bid is good until March 31, 2011.

Sacramento Area Flood Control Agency - Natomas Cross Canal (SAFCA-NCC)

No new information.

Sacramento Area Flood Control Agency - Capital Outlay (SAFCA-CO)

- Construction of a working platform is currently underway from just south of the Natomas Cross Canal to Riego Road.
- From Riego Road to approximately a half mile north of Elverta Road, construction is underway on a cutoff wall just south of Riego Road.
- At Teal Bend Golf Club, contractors continue to prepare the foundation where the new adjacent levee and cutoff wall are to be constructed.

West Sacramento Area Flood Control Agency, Capital Outlay (WSAFCA-CO)

WSAFCA is coordinating with USACE in responding to various comments; however, the official response may be delayed because of DWR's and other agencies' lengthy comments on the EIR/EIS.

USACE/CVFPB PROJECTS

The State continues to participate with USACE on non-federal cost-share funding for projects to upgrade the State-federal flood management system in the Central Valley.

American River Common Features Project

The American River Common Features Project is improving the levee system along the American and Sacramento Rivers in Sacramento.

- The design for sites R-5, Jacob Lane, Reach B, and L-12 has been completed. Construction contracts for Jacob Lane, Reach B and L-12 have been awarded and construction is planned for 2010 on an accelerated schedule due to available federal stimulus money. Construction for R-5 is planned for 2011. These repairs are commonly referred to as the WRDA 1996 Remaining Sites work.
- The construction for sites R-8 and L-8 was completed on August 24, 2010, on schedule.

Folsom Dam Modifications (Joint Federal Project)

The Folsom Dam Modifications Project (Folsom Dam Joint Federal Project) provides Flood Damage Reduction and Dam Safety benefits to Sacramento.

- The Supplemental EA/EIR was certified by the Board at the August 2010 Board Meeting.
- The Commander of the Sacramento District USACE has approved the FONSI for the Supplemental EA/EIR.
- Contractor bids for construction of the new spilling central structure were due by September 20th.

Marysville Ring Levee Improvement Project

The Marysville Ring Levee Improvement Project is a separable element of the Authorized Yuba River Basin Project. Once completed, the residents within the levees surrounding the City of Marysville will be afforded a high level of protection significantly sooner than the overall Yuba River Basin Project.

- The bid process has concluded, the low bid was a \$10,831,663 contract amount. An additional \$1,200,000 is projected to administer construction and provide supplementary engineering.
- The contract was awarded to the contractor that submitted the bid protest, Raito, Inc., San Leandro, California. The notice to proceed is anticipated to be given September 20th.

Mid-Valley Area Levee Reconstruction Project

The Mid-Valley Reconstruction Project extends from the Tisdale Bypass to the Sacramento Bypass and includes levees on Sacramento River, Feather River, Yolo and Sutter Bypasses, and Knights Landing Ridge Cut.

- The schedule has slipped by a year due to a lack of federal appropriations for the project plans to construct a portion of Contract Area 3 next year.
- A Schedule and Cost Change Report (SACCR) has been provided by USACE to reflect significant increases in total project costs since 2000.

- An effort is underway to solicit from the USACE data related to projections and sunk costs necessary to meet with various local sponsors to agree on a way forward given the cost increases.

South Sacramento Streams Project

- DWR reviewed alternative designs for Morrison Creek where a Union Pacific Railroad (UPRR) encroachment permit will be required. SAFCA, USACE, and DWR are preparing design documents and materials to present at a public meeting where public input will be sought regarding the alternatives. Time and date of meeting have not been set at this point.
- As part of the Limited Reevaluation Report, USACE has begun the Hydrology and Hydraulics study for the South Sacramento Streams Project area. It is anticipated that the study will be completed by August 2011.

West Sacramento Area Project, Slip Repair

Geotechnical analysis for the repair of two Yolo Bypass east bank levee slips is complete. The design for the north slip repair site is under way at USACE. Construction of the northern site repair is currently scheduled for the 2011 construction season.

- No new information

STATEWIDE FLOOD PROGRAMS

The Statewide Flood Programs provide financial support to local entities for flood and ecosystem restoration related projects throughout the State. These programs include Flood Control Subventions Program, Flood Corridor Program, Local Levee Assistance Program, and Yuba-Feather Flood Protection Program.

FLOOD CORRIDOR PROGRAM (FCP)

The Flood Corridor Program provides local assistance grants to local governments, special districts, and non-profit organizations for flood risk reduction projects using non-structural methods. Each project must also include an ecosystem restoration or agricultural land conservation component.

- Staff sent appraisals received for the Hamilton City project to DWR's Real Estate Branch for review.

Flood Control Subventions Program (FCSP)

The Flood Control Subventions Program provides financial assistance to local agencies cooperating in the construction of federally authorized flood control projects outside of Central Valley and State Plan of Flood Control.

- The Program initiated a discussion with the Sacramento District USACE and now is requesting to meet with San Francisco and Los Angeles districts.
- DWR is gathering information on all changes needed to update existing program guidelines.

Local Levee Assistance Program (LLAP)

LLAP provides financial assistance to local agencies to evaluate and perform urgent repair on their flood control facilities outside of Central Valley and State Plan of Flood Control.

- Letter of Local Evaluation Agreement for Alameda County's Alameda Creek Levees Geotechnical Evaluations Project was executed by DWR on August 13, 2010.
- The STD 215 form for the Alameda Creek Levees agreement has been approved by the Chief, Division of Flood Management, to encumber funds for payment.
- Amendment #1 to extend the term of funding to the LOLE Del Norte County Klamath Glen Levee Geotechnical Investigation Agreement was drafted. A decision memo was sent for formal approval to DWR's Director.
- An updated scope of work was submitted by Del Norte County for the Klamath Glen Levee Geotechnical Investigation Project. The document was reviewed and comments were provided to Del Norte County's consultants. The re-submittal was reviewed and approved.
- Marin County's first invoice requesting \$75,839 (Contract Number 4600008841) was approved for payment.
- Orange County Department of Public Works has been sent a reimbursement check (\$4.5 million) for the Local Levee Urgent Repair project on San Juan Creek Levee.
- The City of Fairfield's invoice for the Dan Wilson Creek Levee Geotechnical Investigation was approved.

YUBA-FEATHER FLOOD PROTECTION PROGRAM (YFFPP)

YFFPP provides Proposition 13 financial assistance to local entities demonstrating non-structural flood management projects showing a potential significant reduction of peak flood flows, flood stage, flood risk (including wildlife habitat enhancement and/or agricultural land preservation) on the Yuba and Feather Rivers.

- The Sutter County Agreement committing up to \$650,000 for reimbursement of local share was sent to the County and is pending their acceptance and signature before full execution by DWR.
- A Sutter County Feasibility Study Agreement invoice (Contract No.460004637) for \$389,140.88 is pending funds availability.
- A project closeout letter has been sent to Levee District No. 9 for the Sutter County Sacramento Basin No. 18 Phase 1 Repairs and Improvements Project (Contract No. 4600001281).
- Yuba County Water Agency's first invoice for the Forecast Coordinated Operations (FCO) Implementation Grant Agreement is pending DWR's Accounting System transfer of monies from the original FCO Design Agreement to the new FCO Implementation Agreement account.
- A project closeout letter has been sent to Colusa Basin Drainage District (CBDD) for Proposition 13 Agreement No. 4600001454. CBDD responded with an e-mail asking that \$66,000 of retention funds be released to them under the contract. DWR has asked CBDD to provide proof the funds have not already been paid, and has requested hard copies of payments made from the DWR's accounting office.

- A contract with Reclamation District 1500 for the Mid-Valley Area Levee Reconstruction Project (Contract #4600001282) has been formally closed.
- A review of the Mid-Valley Area Levee Reconstruction Project (Contract No. 4600001398) with Reclamation District 1001 revealed that DWR still owes \$127,000 to the Reclamation District. \$60,000 will be reimbursed to them after the next bond sale. A service requisition request has been created for these funds.
- YFFPP is in the process of further reviewing projects from a previous solicitation for closeout, including projects for Yuba County Water Agency, Sutter County, Levee District No. 1 and Three Rivers Levee Improvement Authority.

PROGRAM SUPPORT

The program support function is designed to ensure the various programs and their projects receive sufficient technical and administrative support to be successful. These support functions are Grant Guidelines, Environmental Services, Technical Assistance, and Federal Coordination.

Grant Guidelines

EIP, FCP, LLAP, and FCSP are all in process of updating their program guidelines.

- EIP staff is currently completing guideline revisions that will be released for management review/approval in September 2010. Final Guidelines and a Project Solicitation Proposal are anticipated to be released to the public in October 2010. Staff is also finalizing standard project closeout requirements as some initial EIP projects are currently in the closeout phase.
- The FCP revised grant funding guidelines were circulated for management review. Based on comments during the management review, changes will be incorporated and circulated for signatures.
- LLAP Guidelines are being revised. A new Project Solicitation Proposal is planned to be posted in 2010 for about \$40 million in new grant/funding.
- YFFPP Guidelines for a new Project Solicitation Proposal is drafted and is pending final determination of available funds.

Environmental Services

FCP has a number of environmental resources that provide technical assistance to various FPO projects.

- Staff assisted with giant garter snake monitoring for the Flood Maintenance Office's End-of-Year gravel replacement projects.
- Staff attended site visits for the following projects: Jacob Lane, South Sacramento Streams potholing, and RD-17 levee improvements.
- The Natomas Post Authorization Change Report (NPACR) EIR was reviewed and no comments were made.
- Findings for the Folsom Dam Modifications Project were made and presented to the Board at its monthly meeting. The environmental document was certified and the refinements were approved.
- Staff assisted in the closeout review process for the EIP RD 2103 Bear River Levee Project.

Technical Assistance

LLAP has resources to provide technical assistance in flood modeling, GIS, and database creation to various programs in FPO.

- Development of GIS information in assistance to FY 2011 project development budget item preparation.

DELTA FLOOD PROJECTS

This is a grants program that works with more than 60 reclamation districts in the Delta and Suisun Marsh to maintain and improve the flood control system and provide protection to public and private investments in the Delta including water supply, habitat, and wildlife. The program, through its two major components; Delta Levees Maintenance Subventions Program and Delta Levees Special Flood Control Projects, works with the local agencies to maintain, plan and complete levee rehabilitation projects. One of the requirements to qualify for available funds is the project to result in no net loss of habitat in the Delta. Additional responsibilities under the Bay-Delta Levees Branch are in support of the levee system and habitat development; improve the flood fight capability of the Delta through planning, cooperative efforts, encouraging the development of emergency response plans for each Delta island, and conduct studies and contract efforts necessary for program purposes.

DELTA LEVEES MAINTENANCE SUBVENTION PROGRAM

DWR staff, on behalf of the Central Valley Flood Protection Board, initiates and manages work agreements to fund levee maintenance and rehabilitation. To date, the status of work agreements is as follows:

Work Agreements for FY 2008-2009

- No changes since August 2010.

Work Agreements for FY 2009-2010

- No changes since August 2010.

Work Agreements for FY 2010-2011

- DWR plans to seek the Board's approval during the September 2010 board meeting.
- No additional changes since August 2010.

DELTA LEVEES SPECIAL FLOOD CONTROL PROJECTS

DWR initiates and manages project funding agreements in support of local agencies' levee rehabilitation, habitat, or other projects. DWR is executing agreements authorizing the work proposed under the FY 08-09 Project Solicitation Package.

- No significant changes from July 2010.
- More and current information can be found at:
<http://www.water.ca.gov/floodmgmt/dsmo/bdlb/spp/>

FUNCTIONAL AREA 5 EVALUATION & ENGINEERING

Evaluation & Engineering is a FloodSAFE Functional Area established to address assessments of existing flood management facilities to identify deficiencies and needed improvements. This is a new Functional Area that is expected to continue after the FloodSAFE foundational objectives are met. Functional Area activities are performed in partnership with the USACE, which prior to FloodSAFE, conducted most evaluations and engineering for existing facilities. This Functional Area is based on the acknowledgement that changing conditions, new knowledge about system performance, and eventual facility deterioration will demand continued evaluation and engineering services.

URBAN LEVEE EVALUATION (ULE)

DWR is required to evaluate the current level of performance of the State-federal flood protection system in the Central Valley. Urban levees are levees that provide protection to developed areas that with a population of at least 10,000 people. The evaluation of current urban levee performance is to include an estimate of the risk of levee failure, a discussion of the inspection and reviews performed, and recommendations regarding the levees and future work activities. The geotechnical engineering being performed will help flood managers understand the overall flood risks to populated areas in the Central Valley and consider alternative changes to the flood management system to better manage the risks.

ULE is evaluating 470 miles of urban levees for hidden defects. The 470 miles include State-Federal project levees as well as associated non-project levees that provide protection to urban areas receiving some protection from the State-Federal flood system. Urban levees are being evaluated to determine whether they meet defined geotechnical criteria and, where needed, identify remedial measures, including cost estimates, to meet the defined geotechnical criteria. The information being developed will be used in support of the Central Valley Flood Management Planning Program to inform development of two required documents: the Flood Control System Status Report and the Central Valley Flood Protection Plan.

Geotechnical Evaluation Reports			
Study Area	% Complete	Study Area	% Complete
Chico	25	NEMDC East	25
Marysville	40	Natomas	15
Sutter	35	Bear Creek	10
RD 784	40	Calaveras River	10
Davis	10	RD 404	10
Woodland	10	RD 17	40
American River	40	Stockton Non-Project	5
West Sacramento	85	W. Sac. Non-Project	4
Sacramento River	45	South Sac. Streams	3

- Urban Levee Evaluations are 73% complete
- Drilling occurred in NEMDC East and Sacramento River and is planned in RD 404.
- The draft Preliminary Geotechnical Data Report (PGDR) for Chico was completed.

NON-URBAN LEVEE EVALUATION (NULE)

DWR is required to evaluate the current level of performance of the State-federal flood protection system in the Central Valley. Non-urban levees are levees that provide protection to agricultural areas and developed areas with a population of less than 10,000 people. The evaluation of current system performance is to include an estimate of the risk of levee failure, a discussion of the inspection and reviews performed, and recommendations regarding the levees and future work activities. The geotechnical engineering being performed will help flood managers understand the overall flood risks to populated areas in the Central Valley and consider alternative changes to the flood management system to better manage the risks.

NULE is evaluating 1,620 miles of non-urban levees for hidden defects. The non-urban levees being evaluated include State-Federal project levees and associated non-project levees that also provide protection to non-urban areas receiving some protection from the State-Federal flood protection system. Non-urban levees are being evaluated to determine whether they meet defined geotechnical criteria and, where needed, identify remedial measures, including cost estimates, to achieve the defined geotechnical criteria.

The information being developed will be used in support of the Central Valley Flood Management Planning Program to inform development of two required documents: the Flood Control System Status Report and the Central Valley Flood Protection Plan.

- Non-Urban Levee Evaluations are 30% complete.

TECHNICAL REVIEW

Geotechnical analyses are being conducting on behalf of the CVFPB on an “as-needed” basis and to support proposed and ongoing capital improvement projects. Collaboration with the USACE is occurring with on-going geotechnical studies, including review of associated documents that may impact the CVFPP.

No new information.

TECHNICAL POLICY

A statewide seismic policy is being developed for levee performance, emergency levee remediation, and long-term levee remediation. Interim Levee Design Criteria are also being developed to guide local urban levee improvement projects. Research is being conducted to resolve gaps in knowledge associated with the effects that woody vegetation growing on or near levees has on levee integrity; and provide technical support for the development of vegetation management policies as part of the CVFPP.

No new information.

FUNCTIONAL AREA 6 FLOOD MANAGEMENT PLANNING AND CONSERVATION STRATEGY

The Flood Management Planning and Conservation Strategy Functional Area refer to the planning and analysis necessary to evaluate flood systems as complete systems consistent with the intent of the FloodSAFE Implementation Plan rather than a set of individual, isolated projects. This functional area consists of three elements: Central Valley Flood Management Planning (CVFMP) Program, Statewide Integrated Flood Management Planning, and Conservation Strategies.

CENTRAL VALLEY FLOOD MANAGEMENT PLANNING

The CVFMP Program is one of several programs being managed within FloodSAFE California. The CVFMP Program addresses most of the flood-related planning activities that were authorized by the Legislature during the 2007/2008 session within much of the Central Valley. The CVFMP Program consists of two primary projects – State Plan of Flood Control (SPFC) and the Central Valley Flood Protection Plan (CVFPP).

STATE PLAN OF FLOOD CONTROL (SPFC)

The SPFC includes two major deliverables: (1) SPFC Descriptive Document and (2) Flood Control Systems Status Report.

SPFC Descriptive Document – The SPFC Descriptive Document is an inventory and description of the State-federal flood protection system in the Central Valley.

- Responses to comments on a January 2010 public review draft are complete and modifications to the SPFC Descriptive Document based on subsequent internal reviews are to be completed in September 2010.
- The final SPFC Descriptive Document is scheduled for release in October 2010.

Flood Control Systems Status Report (FCSSR) – The FCSSR describes the current status of the SPFC and make recommendations of future work activities.

- The internal Policy Review Draft of the FCSSR was distributed to key DWR staff in mid-September.
- A Governor's Office Action Request (GOAR) is necessary before public review of the draft FCSSR. The GOAR will also to include the CVFPP Progress Report (see CVFPP below) and is planned for review and approval during November 2010.
- The Public Review Draft is scheduled for December 2010.
- The Final FCSSR is scheduled for January 2011.

CENTRAL VALLEY FLOOD PROTECTION PLAN (CVFPP)

The CVFPP reflects a system-wide approach to protecting lands currently protected from flooding by the SPFC. The initial plan is to be completed by January 1 2012, adopted by the Central Valley Flood Protection Board (Board) by July 1, 2012, and updated every five years thereafter.

Planning Activities

- Phase 2 of the 2012 CVFPP is scheduled for completion in December 2010. This phase focuses on developing management actions that contribute to the goals and objectives identified in Phase 1.
- Phase 3 of the 2012 CVFPP will focus on developing regional solutions by identifying regional priorities and combining retained Phase 2 management actions to address those priorities. The CVFPP Project Delivery Team is developing materials and evaluation methods for use in the Phase 3 work groups.
- The Programmatic EIR (PEIR) for the CVFPP will include an Environmental Justice discussion consistent with California Natural Resources Agency Environmental Justice Policy.
- A Draft Notice of Preparation is undergoing internal DWR review with public release scheduled for mid- to late-October 2010 and scoping meetings in November.
- A Progress Report on the CVFPP (California Water Code §9610(c)) is scheduled for submission to the Board and posting on the Board's website in December 2010 following review and approval of the GOAR.

Communication and Engagement

- Meeting 2 for the five Phase 2 Regional Management Action Work Groups are scheduled to be held the week of September 20th:
September 21 - Upper and Lower Sacramento River Work Groups
September 22 - Lower San Joaquin River and Delta Work Groups
September 23 - Upper San Joaquin River Work Group
- A Valley Wide Forum on the CVFPP is scheduled for December 9, 2010.

STATEWIDE INTEGRATED FLOOD MANAGEMENT PLANNING

The Statewide Integrated Flood Management Planning Program will assess the flood risk to life and property statewide, and develop and guide the state's flood risk management strategic policies and investment decisions. The program will inventory existing and future flood management needs in the state's regions, identify opportunities for integrated flood management, and formulate potential flood management solutions. The major work product is a report titled "Recommendations for Improving and Sustaining Integrated Flood Management in California" (Recommendations Report). In addition, Statewide Flood Planning includes integration of flood-related information into the California Water Plan.

No new information.

CONSERVATION STRATEGIES

The Conservation Strategies element is designed to provide support and integrate environmental stewardship into the CVFMP Program. Therefore, major progress, such as the status of key documents, progress on major milestones, and upcoming events, is described under the Central Valley Flood Management Planning section above.

- A draft outline for the Conservation Strategy Framework to be included in the 2012 CVFPP has been developed and is being reviewed internally. The Framework will summarize the long-term Conservation Strategy approach, recent progress, and next steps (post 2012), along with crosslink's to other CVFPP activities and content.
- Briefings on Conservation Strategy goals and timeline have been made to CVFPO and DFM environmental managers and are planned for the Director, FloodSAFE Executive Team, and the FAXCT 4 Team.

FUNCTIONAL AREA 7 LEGISLATION, BUDGETS, AND COMMUNICATION

The primary goal of the Legislation, Budget, and Communication functional area is to facilitate legislation, budget, and communication matters to aid the efficient work of all functional areas in improving flood safety. This functional area will work to secure sustainable funding to implement the FloodSAFE initiative and to secure legislative support for all other functional areas that must continue indefinitely into the future. It is also responsible for coordination and public outreach consistency.

COMMUNICATION AND BRIEFING MATERIALS

While each functional area will conduct some of its own coordination and outreach on individual programs, the Communication element of area 7 provides assistance and support to ensure consistency. Communications and coordination take place internally, as well as externally with partner agencies on various aspects of the FloodSAFE program; including status updates, achievements and accomplishments, and upcoming milestones, with frequency ranging from weeks to years.

- Volume 1, Issue 4 of the FloodSAFE Focus newsletter was completed and placed on the FloodSAFE web page for electronic distribution to members of the FloodSAFE email distribution list. This month the newsletter focused on the non-structural flood management activities, including the Flood Corridor Program.
- FloodSAFE team members continue to meet with other groups within DWR and other State and Federal agencies, including the CA Natural Resources Agency, Delta Stewardship Council, US Bureau of Reclamation, and US Army Corps of Engineers, to discuss an interagency meeting this Fall between various program managers responsible for the numerous Delta initiatives underway. FloodSAFE team members will brief CVFPB staff and invite them to participate in the proposed interagency meeting. The goal of the meeting will be to streamline Delta program coordination and to prepare for a public workshop focused on government Delta program coordination to be held sometime in 2011.
- On September 1st, DFM staff and DWR regional coordinators lead Delta Conservancy management on a tour of the Delta to discuss flood management issues with the group in order to promote multi-objective integration in Delta Conservancy activities.
- On September 9th, DFM staff presented an overview of the FloodSAFE Initiative and major accomplishments to date to tribal community representatives at the California Water Plan Update Tribal Engagement Workshop.
- On September 16th, DFM staff presented overviews of flood history in the Sacramento Valley and the FloodSAFE Initiative at FEMA's 2-day "Watershed University," a public workshop and technical training course in Redding, CA.
- On September 22nd, DFM management presented an overview of flood history to kick off the CA Water Education Foundation's Northern California Water Facilities & Fisheries Tour.

FUNDING ADVOCACY & AGENCIES' ALIGNMENT

Effective coordination between State, federal, and local agencies will be required at all stages from project concept through completion of construction. FloodSAFE implementation will not be possible without federal funding. Proposition 1E requires that the State secure the maximum feasible amounts of federal and local matching funds. This group will, in coordination with DWR Executive Office, serve as the primary State advocate for securing the necessary federal funding. Primary federal partners also include USACE and FEMA.

- The Federal Advocacy Program team is planning for the trip to Washington D. C. to meet with the Office of Management Budget (OMB), as well as Congressional and committee staffs. A meeting was held with the Sacramento District Corps of Engineers to coordinate FY 2012 Optimal Funding Levels for Cost Shared Flood Control Projects. The Washington D. C. trip is planned for early October 2010 and is being coordinated with the Central Valley Flood Protection Board.
- The team is continuing to work on finalizing the legislative proposal for the revised federal crediting rules to be in the next WRDA.
- This trip to Washington D. C. is being planned for early October 2010 and is being coordinated with the Central Valley Flood Protection Board.

LEGISLATION LIAISON & LEGAL

The Legislature is a key player in the implementation of the FloodSAFE initiative. Effective communication and reporting of plans and progress will aid the Legislature in funding flood management activities and with direction for future implementation. This element will also address legal issues that need to be resolved for progression of the FloodSAFE initiative.

- No new information.

PROGRAM MANAGEMENT, BUDGET, & FISCAL SERVICES

DWR is accountable for efficient management and expenditure of State funds. Preparing bond budgets and tracking of bond expenditures is essential to document investments of taxpayer dollars. This element provides overall management support to the other functional areas, including program management activities, strategic and implementation plans, detailed budget preparation, and contracts, funds and invoice tracking.

- No new information.

FLOODSAFE PROGRAM ADMINISTRATION & COORDINATION SERVICES

This element includes all administrative and coordination work required for FloodSAFE implementation, including human resources activities, policy document review, and FloodSAFE governance activities, including managing working groups and coordination teams within DFM and DWR.

- No new information.